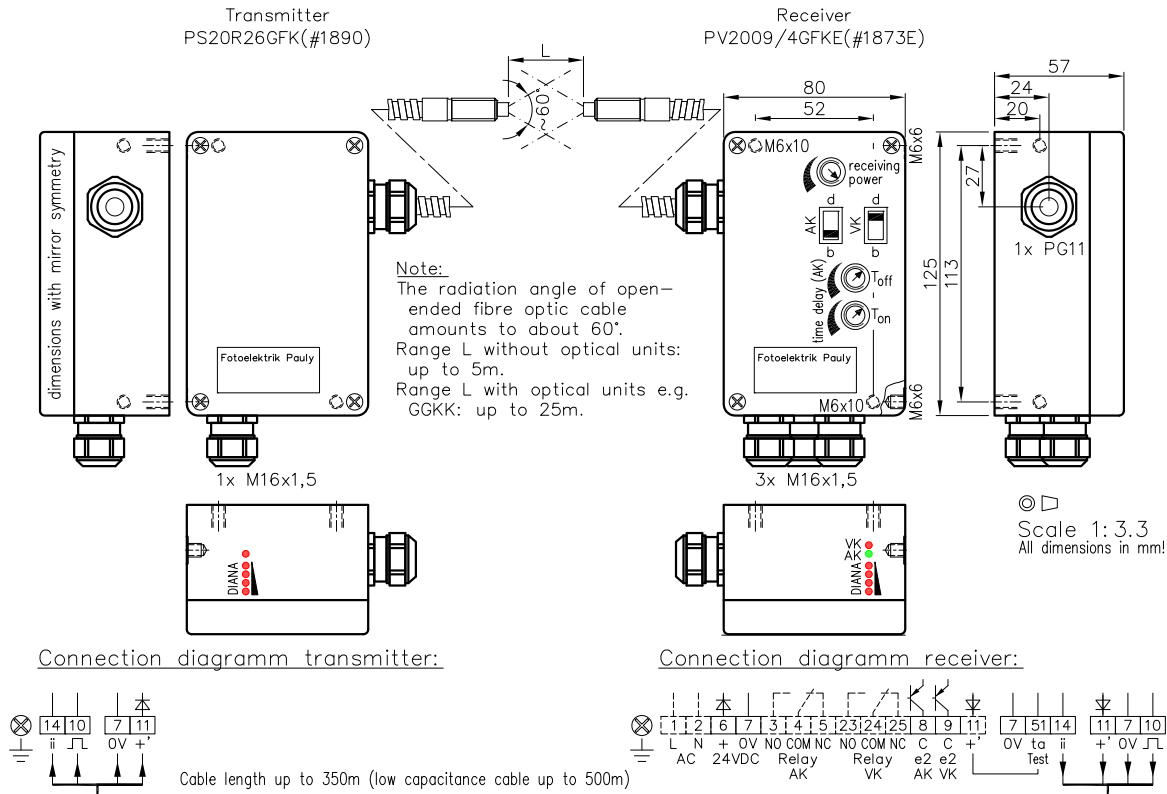
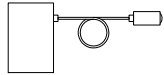


## Transmitter-Receiver Light Barrier Type PV2009/4GFK for Glass Fibre Optic Cable Connection with Pollution Warning Output

0-5(25)m

Transmitter-Receiver  
Light Barrier for  
glass fibre optic  
cable connection  
with  
Pollution Warning  
Output

PV2009/4GFK

Order no.:  
1873

### Technical characteristics:

Housing	Al-Cast
Weight	Receiver: approx. 700g Transmitter: approx. 500g
Protection mode	IP65
Connection	Terminal block
Supply	24VDC/80mA without load
Output	2x pnp 60mA s.-c.-prot., e2
Signal mode	bright-/darkswitching, selectable
Transmitter light	LED 850...880nm, invisible
Steady light resistance	>80kLx
Interference suppressor	Force synchronization
Access time	<12ms/switch transition
Switching rate	electron.: 40/s; Relay: 10/s
Switch indicator (receiver)	LED's green & red
Working indicator (transm.)	LED red
Level indicator (t & r)	4x LED red
Ambient temperature	-25...+60°C
Testing by transmitter blanking, ta	

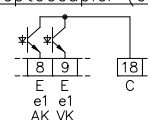
### Accessories:

Fibre optic cable GFK...  
Optical units e.g. A-GFK, At-GFK or GGFK  
Cooling water flange KW26

### Optic unit accessories:

Diaphragms  
Optical filters  
Adjustment flange  
Cooling water flange  
Anti dust tube

### Connection diagramm optocoupler (e1, optional):



### Features:

Connection	Plug, no.-cable
Supply	230VAC, 115VAC, 42...48VAC
Output	2x Optocoupler 60V/50mA, e1 2x Relay 250VAC/10A, 2500VA, 1xCh, R
Access time	"q": <2ms/switch transition
Switching rate	"q": 300/s, Relay: 10/s
Time delay	Switching-on-off-delay, separately adjustable (only AK), z...

If using cooling water flange, then milled wall, y

### Notes:

Outputs: The switching equipment for the Pollution Warning output (VK, set to dark [d], red LED) is switched on if the signal level is less than five times of the minimum level of the main contact level (AK, green LED).  
Terminal blocks: Cage clamp; Stripped conductor length 8...9mm; Conductor cross section 0,25...2,5mm<sup>2</sup> (with insulated ferrule up to 1,5mm<sup>2</sup> only); actuated by screwdriver 2,5x0,4mm.  
Testing function ("ta", terminal 51): Transmitter activated by +24V; Transmitter deactivated by 0V or nc. To use this function remove wire bridge between terminal 11 & 51.